Summary of Changes
ENERGY STAR® for Exit Signs
Draft 2 Version 3.0 Specification

In this document, EPA highlights the major changes made to the Draft 1 Version 3.0 specification for ENERGY STAR qualified Exit Signs. This document is intended as a road map to assist industry in reviewing the Draft 2 Version 3.0 specification.

Throughout this document, the note boxes have been updated to provide new, relevant information based on industry feedback on the Draft 1 specification. It is hoped that these notes help partners understand EPA's rationale behind important changes in Draft 2.

ENERGY STAR has been changed to be written in all capital letters throughout the document, rather than it small caps, to reflect EPA's new logo campaign.

References to UL 924 have been slightly amended throughout the document.

1) **Definitions**:

This entire section has been reordered to account for deleted definitions. The following definitions have been removed, as these terms are no longer referenced in this specification.

D. Integral Light Source:

An "Exit Sign," as defined in item A. is no longer required to include an integral light source, therefore, this definition is no longer needed.

The following definitions related to the analytical measurement of visibility have been removed, as this specification no longer requires exit signs to be evaluated by this method.

I. Luminance

J. Luminance Contrast

K. Average Luminance

L. Minimum Luminance

M. Luminance Uniformity Ratio

The following two definitions have been amended:

A. Exit Sign:

By removing the proposed restriction that signs be illuminated by an "integral light source", EPA has broadened this definition to include signs with varying light sources, such as those using photoluminescent or self-luminous technology.

The final sentence addressing emergency power has been amended to reference "Power Source", as specified in the NFPA 101 Life Safety Code.

The restriction that signs may not have a transparent or mirrored background has been removed.

C. Legally Required Legend:

This definition has been slightly amended to exclude specific reference to analytical measurement points for pictograms and non-English legends.

2) **Qualifying Products**:

Section 2, Qualifying Products, and Section 3, Specifications for Qualified Products as outlined in the first draft specification, have been combined into a single section in the second draft. This section has been expanded to include the requirement that each model be installed in accordance with applicable building codes.

The Internet link to OSHA NRTLs has been updated, as this link has moved since the Draft 1 specification was written.

A) Specifications for Qualifying Products:

In this section, minor modifications have been made to the statement acknowledging luminance depreciation. This section now requires partners to use a standard statement, as is now the requirement in the Version 2.0 specification. This statement is only required to be included in materials for electrically-powered exit signs.

The following changes have been made to the specifications in Table 1:

The language addressing power factor has been modified to clarify EPA's intent that any leading power factor is acceptable.

All of the Visibility Characteristics have been removed from this draft of the specification. Luminance contrast, average luminance, minimum luminance, and luminance uniformity ratio have all been deleted.

3) **Test Procedure**:

Section C.3. Photometric Measurements, Section C.4. Luminance Measurement Positions, and Section C.5. Luminance Calculations have been removed as this draft specification no longer includes analytical luminance criteria.

EPA has included a note encouraging manufacturer comment on a protocol for testing and reporting models that may vary in trim, but have identical performance.

4) **Effective Date**:

EPA has not yet determined the Version 3.0 specification effective date. In this section, stakeholders are encouraged to provide comments on a potential effective date. Based on preliminary industry research, EPA proposes this date to be 6-12 months following finalization of the Version 3.0 specification.